IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-implemented method of processing a document, said method comprising:

converting a document into a common format document;

recognizing two or more concepts in said common format document, wherein said two or more concepts each represent a basic idea expressed in said common format document, wherein recognizing said two or more concepts includes for each of said two or more concepts:

identifying a plurality of features in said common format document, wherein said plurality of features represents evidence of one of said two or more concepts in said common format document;

calculating a concept weight for one of said two or more concepts using a plurality of feature weights associated with said plurality of features, wherein said concept weight represents a recognition confidence level for one of said two or more concepts, and wherein the recognition confidence level for one of said two or more concepts is calculated for each paragraph in the common format document; and

comparing said concept weight with a predetermined threshold value;

recognizing a concept association for the two or more recognized concepts associated with a conceptual model that includes the concept association for the two or more recognized concepts;

indicating a concept type associated with said document using the conceptual model, wherein the concept type comprises a group of one or more concepts that represent a similar idea;

identifying, based at least in part on the association of the concept type with said document, that said document is responsive to said search query.

2. (Canceled)

3. (Canceled)

4. (previously presented) The computer-implemented method of claim 1, further comprising:

based on said conceptual model, generating an auto-attribute, said auto-attribute being a descriptive label for said common format document.

5. (previously presented) The computer-implemented method of claim 1, further comprising:

based on said conceptual model, assigning said common format document to a subject category.

6. (Original) The computer-implemented method of claim 1, wherein said converting includes converting said document into a common format document that is in an XML format.

7. (Currently Amended) A computer-readable medium to direct a computer to function in a specified manner, comprising instructions for:

converting a document into a common format document;

recognizing two or more concepts in said common format document, wherein said two or more concepts each represent a basic idea expressed in said common format document, wherein recognizing said two or more concepts includes for each of said two or more concepts:

identifying a plurality of features in said common format document, wherein said plurality of features represents evidence of one of said two or more concepts in said common format document;

calculating a concept weight for one of said two or more concepts using a plurality of feature weights associated with said plurality of features, wherein said concept weight represents a recognition confidence level for one of said two or more concepts, and wherein the recognition confidence level for one of said two or more concepts is calculated for each paragraph in the common format document; and

comparing said concept weight with a predetermined threshold value;

recognizing a concept association for the two or more recognized concepts associated with a conceptual model that includes the concept association for the two or more recognized concepts;

indicating a concept type associated with said document using the conceptual model, wherein the concept type comprises a group of one or more concepts that represent a similar idea;

receiving a search query associated with said concept type; and

identifying, based at least in part on the association of the concept type with said document, that said document is responsive to said search query.

8. (Currently Amended) The computer-implemented method of claim [[1]]7, wherein the conceptual model includes a concept dictionary.

9. (Canceled)

10. (previously presented) The computer-implemented method of claim [[9]]7, further comprising incorporating said two or more concepts into said conceptual model in the event that the recognition confidence level exceeds the predetermined threshold value.

11. (Currently Amended) The computer-implemented method of claim [[1]]7, wherein the conceptual model includes a noise dictionary.

12. (Currently Amended) The computer-implemented method of claim [[1]]7, further comprising:

assigning a subject category to said document based at least in part upon said conceptual model.

13. (previously presented) The computer-implemented method of claim 12, wherein assigning the subject category follows an auto-categorization rule.

14. (Currently Amended) A computer, comprising:

a processor; and

a memory connected to said processor, wherein said memory includes:

a document modeling module, said document modeling module having:

a first module configured to direct said processor to recognize two or more concepts in a document, wherein each of said two or more concepts represents a basic idea expressed in said document, wherein recognizing said two or more concepts includes for each of said two or more concepts:

identifying a plurality of features in said document, wherein said plurality of features represents evidence of one of said two or more concepts in said document;

calculating a concept weight for one of said two or more concepts using a plurality of feature weights associated with said plurality of features, wherein said concept weight represents a recognition confidence level for one of said two or more concepts, and wherein the recognition confidence level for one of said two or more concepts is calculated for each paragraph in the document; and

comparing said concept weight with a predetermined threshold value;

; and

a second module configured to recognize a concept association for the two or more recognized concepts associated with a conceptual model that includes the concept association for the two or more recognized concepts; and

a third module configured to indicate a concept type associated with said document using the conceptual model, wherein the concept type comprises a group of one or more concepts that represent a similar idea; and

an interface configured to receive a search query, wherein when said search query is associated with said concept type, said document is identified as being responsive to said search query based at least in part on the association of the concept type with said document.

15. (previously presented) The computer of claim 14, wherein said memory further includes:

a document integration module, said document integration module having:

a twelfth module configured to direct said processor to convert said document to a common format.

16. (Previously Presented) The computer of claim 15, wherein said document integration module further has:

a fourth module configured to direct said processor to separate a text portion from said document; and

a fifth module configured to direct said processor to incorporate said text portion in said document in the common format.

17. (Canceled)

18. (Original) The computer of claim 14, wherein said memory further includes:

a modeling directory,

and wherein said document modeling module further has:

a ninth module configured to direct said processor to store said conceptual model in said modeling directory.

19. (Original) The computer of claim 14, wherein said document modeling module further has:

a tenth module configured to direct said processor to generate an auto-attribute based upon said conceptual model, wherein said auto-attribute represents a descriptive label for said document.

20. (Original) The computer of claim 14, wherein said document modeling module further has:

an eleventh module configured to direct said processor to categorize said document in a category of a plurality of categories based upon said conceptual model.

21. (previously presented) The computer-implemented method of claim 1, wherein the conceptual model includes a concept association dictionary.

INTERVIEW SUMMARY UNDER 37 CFR §1.133 AND MPEP §713.04

A telephonic interview in the above-referenced case was conducted on 5/16/2008 between the Examiner and the Applicants' undersigned representative. The Office Action mailed on February 5, 2008 was discussed. Specifically, the rejections of claims 1, 7, and 14 in light of Doerre, Weiser, and Chakrabarti (U.S. Patent No. 6,446,061, 5,982,507, and 6,418,433) and the proposed amendments set forth herein were discussed with the intent to place the claims in better condition for allowance or appeal.

The Applicants wish to thank the Examiner for the interview.